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ABSTRACT OF THE DISCLOSURE

This specification discloses a novel multi-tone display matrix display device. The matrix display device according to an embodiment of the present invention comprises a matrix display panel having a matrix composed of plural X direction signal lines and plural Y direction signal lines lying at right angles thereto, intersecting points on the matrix being pixels of an image to be displayed, an X direction driving section for sequentially scanning the X direction signal lines to provide image signals, a Y direction driving section for driving the Y direction signal lines in synchronism with the scanning of the X direction signal lines to sequentially provide select signals to the Y direction signal lines, an A-D converter section for receiving an analog signal and converting it into a digital signal, a voltage generating section for generating signals at plural voltage levels, and a selector section for selecting an output signal from the voltage generating section in accordance with the output from A-D converter section and providing it to the X direction driving section as an image signal.